

readily carry the reader, in some places even to species, in others only to genera.

In the discussion of the fishes and other aquatic vertebrates by Professor Eigenmann, as well as in the chapter on bacteria in fresh waters by Professor Jordan, it was obviously impossible within the limited space to treat of these organisms except in the briefest way, along general biological lines.

One hundred and ten of the pages are utilized in the strictly botanical portion of the book, the larger aquatic vegetation being treated of from a physical-chemical viewpoint by the late Professor Pond; the green algae by Professor Julia Warner Snow, and the blue-greens by the reviewer. One thousand pages of treatment of animal forms should also prove of utmost interest and importance to all students of the organisms occurring in waters, including the technical water engineer as well as the botanist and zoölogist seeking further information about aquatic life. The distinguished list of specialists who collaborate in the handling of the more zoölogical aspects of the subject insure a most adequate and interesting treatment of their portions of the book. Professors Ward and Whipple deserve the thanks of all biologists for their part in the making of this most stimulating and timely book.

E. W. OLIVE

PROCEEDINGS OF THE CLUB

JANUARY 8, 1918

The annual meeting was held at the American Museum of Natural History. President Richards called the meeting to order at 8:15 P.M. There were fourteen persons present.

The minutes of the meetings held November 28 and December 11 were approved.

The following persons were nominated for membership: Dr. John Ernest Weaver, University of Nebraska, Lincoln, Nebraska; Prof. E. T. Harper, Geneseo, Ill.; Mr. Rudolph Konnerth, College of Pharmacy, New York City; Dr. J. J. Davis, University of Wisconsin, Madison, Wis.

Mr. Percy Wilson, chairman of the Field Committee, reported

that there were thirty-two field meetings scheduled for the year 1917. The attendance was 417. The meeting held July 21 at Fort Lee, N. J., was attended by 29 persons. Six other meetings were held at which 20 or more persons were present. The report was adopted and placed on file.

Prof. R. A. Harper, chairman of the Committee on Abstract Journal for botanical papers, appointed to represent the Torrey Club at Pittsburgh, reported on the activities of the joint committee at the meetings held at that place.

President Richards reviewed the work of the Club during the year and suggested that the same policies should be continued during the coming year.

The report of the editor, Dr. A. W. Evans, was read and ordered placed on file. Dr. M. A. Howe, delegate to the council of the New York Academy of Sciences, submitted a report which was accepted.

The Secretary's report was read and adopted. There were fourteen regular meetings held during the year; 363 persons attended these meetings. Six lectures illustrated by lantern slides were given, at which the combined attendance was 226. The celebration of the fiftieth anniversary of the Club was held October 18, 19, 20. A full report of these meetings will be published by Dr. M. A. Howe in the memorial volume.

The Treasurer's report was read and referred to an auditing committee consisting of Dr. J. H. Barnhart and Dr. M. A. Howe.

The election of Dr. Weaver, Prof. Harper, Dr. Davis and Mr. Konnerth, nominated earlier in the meeting, followed.

The resignations of Prof. O. S. Morgan and Dr. W. Mendelson were read and accepted.

The resignation of Prof. S. M. Tracy was accepted and his name was transferred to the list of corresponding members.

The election of officers resulted as follows:

President, H. M. Richards.

Vice-Presidents, J. H. Barnhart,
C. S. Gager.

Secretary-Treasurer, B. O. Dodge.

Editor, A. W. Evans.

Associate Editors, Jean Broadhurst,

J. A. Harris,

M. A. Howe,

M. Levine,

A. B. Stout,

W. Marquette,

Norman Taylor.

Delegate to the Council of the New York Academy of Sciences,
M. A. Howe.

Adjournment followed.

B. O. DODGE,

Secretary

JANUARY 30, 1918

The meeting was held in the morphological laboratory of the New York Botanical Garden at 3:30 P.M. Vice-President Barnhart presided. There were twenty persons present.

The minutes of the annual meeting held January 8 were read and approved.

Dr. Barnhart, chairman of the Auditing Committee, reported that the committee had examined the books of the treasurer and found them to be correct.

The report of the Budget Committee, read by Dr. M. A. Howe, the committee's secretary, was adopted. The committee reported as follows:

"The Budget Committee of the Torrey Botanical Club met at the Museum of the Torrey Botanical Garden at 2:30 P.M. January 30, 1918. Present, Drs. Barnhart (chairman), Britton, Dodge, Evans, Howe and Rusby.

<i>"Estimated Income</i>	<i>"Estimated Outgo</i>
"Regular membership dues.....\$1,000	"Bulletin.....\$1,400
Sustaining members..... 115	Memoirs..... 1,300
Bulletin..... 750	TORREYA..... 525
Advertisements..... 40	Index Cards..... 200
Memoirs..... 300	Secretary-Treasurer..... 300
TORREYA..... 125	Sundries..... 100
Index Cards..... 200	Arrearages for printing..... 1,000
Interest..... 85	
Semi-centennial fund..... 2,100	
Sundries..... 125	
Total.....\$4,840	Total.....\$4,825
	Estimated balance..... 15
	Total.....\$4,840

"It was voted that the Semi-Centennial volume of the Memoirs (Vol. XVII) be issued in an edition of 500 copies and that the subscription price of this volume be fixed at \$5.00.

MARSHALL A. HOWE,
Secretary."

Mrs. Britton, chairman of the Program Committee, reported that the Committee had arranged for a lecture by Professor H. H. Rusby on his trip to Columbia, S. A.

The resignation of Dr. F. D. Fromme was read and accepted.

A scientific program was then carried out. Mrs. E. G. Britton reported briefly on "*Jägerinopsis*, a Tropical Genus new to the United States and Cuba."

Prof. R. A. Harper, chairman of the committee representing the Torrey Club at the meetings of the Committee on Botanical Abstract Journal, at Pittsburgh, reported on the work to be done by botanists to further the conservation and protection of food crops. This subject had been discussed at length at the meetings of the A. A. A. S.

Dr. E. W. Olive reported on papers read at the Pittsburgh meeting. "Owing to the short time, only a few general observations were made concerning the meetings at Pittsburgh. The large and enthusiastic meeting of collaborators of the Plant Disease Survey of the U. S. Dept. of Agric. was spoken of, as well as Dr. Lyman's stimulating participation in the various lines of war activities there suggested, looking toward the control of plant diseases. A few papers which were read before the American Phytopathological Society were also briefly reviewed and a few comments were made on a new botanical abstract journal."

Dr. A. B. Stout followed with additional remarks on the Pittsburgh meetings which he attended.

Dr. J. H. Barnhart spoke on the actions taken at Pittsburgh relative to the establishment of a botanical abstract journal. On the motion of Mrs. Britton the Club voted to endorse the general movement for crop protection in accordance with the action taken at Pittsburgh. It was then voted to appoint a committee with power to represent the Club in accordance with

the preceding motion. Dr. E. W. Olive was elected chairman of this committee and the president was authorized to appoint other members of the committee upon the recommendation of the chairman. Adjournment followed.

B. O. DODGE,
Secretary

NEWS ITEMS

Owing to the coal shortage Conservatory Range No. 2 at the New York Botanical Garden was cleared in December, the plants all being housed in the old conservatory range. On January 10 the Brooklyn Botanic Garden reduced by 375 linear feet its greenhouse space, thus crowding the collections in fewer houses, and necessitating the closing of the conservatories to the public,

On January 10 the second issue of the *Journal* of the International Garden Club was published. Hereafter the publication will be issued quarterly in March, June, September and December, the March issue appearing on the twentieth.

The British government has ordered one hundred thousand kapok waistcoats for its sailors. This "vegetable wool," derived from *Bombax malabaricum*, has been suggested as desirable also for our own sailors.